

Yesterday we looked at the formal method, using an exchange. I would like to spend an extra day looking at this with you guys. Please take a look at my example below and try the 6 questions.

			T	O		
			2	3		
				4		
			<hr/>			

Set out your multiplication like I have here. You will only need Tens and Ones as we will only be looking at 2-digit numbers.

			T	O		
			2	3		
				4		
			1			
			<hr/>			
				2		

Start in the ones column and multiply 4×3 . $4 \times 3 = 12$. I can not have 12 ones in the ones column. I need to carry my tens into the tens column, just like I would have with column addition. The lady in the video placed her carry below. You can place it above or below the line.

			T	O		
			2	3		
				4		
			1			
			<hr/>			
			5	2		

I then need to complete my second multiplication which is 2×2 . $2 \times 2 = 4$ but you need to remember to add the 1 on that we have carried. $2 \times 2 = 4 + 1 = 5$

Try the 8 questions on the next page. They will all require you to exchange.

1) $26 \times 3 =$

2) $24 \times 4 =$

3) $18 \times 2 =$

4) $12 \times 8 =$

5) $48 \times 2 =$

6) $14 \times 3 =$

Extension. The below question s require you to carry from the tens and make a hundred.

7) $72 \times 4 =$

8) $43 \times 3 =$